

Title (en)  
SYSTEM FOR TIGHTENING AN ORTHOPEDIC SET SCREW AT TWO DIFFERENT TORQUE LEVELS

Title (de)  
SYSTEM ZUM ANZIEHEN EINER ORTHOPÄDISCHEN STELLSCHRAUBE MIT ZWEI UNTERSCHIEDLICHEN DREHMOMENTEN

Title (fr)  
PROCÉDÉ ET SYSTÈME DE SERRAGE D'UNE VIS DE PRESSION ORTHOPÉDIQUE À DEUX NIVEAUX DE COUPLE DIFFÉRENTS

Publication  
**EP 3946102 A1 20220209 (EN)**

Application  
**EP 20721297 A 20200326**

Priority

- IB 2019052453 W 20190326
- IB 2020052857 W 20200326

Abstract (en)  
[origin: WO2020194227A1] An orthopedic implant kit for tightening a set screw to a head of a pedicle screw for holding a spinal rod to the pedicle screw, the kit including a screw extender for holding the head of the pedicle screw, a set screw driver for engaging with the set screw to threadably tighten the set screw to the head of the pedicle screw, a first torque limiting mechanism for limiting a torque between the set screw driver and the screw extender to a first torque value or a first torque indication mechanism for indicating that the first torque has been reached, and a second torque limiting mechanism for limiting a torque between the set screw driver and the screw extender to a second torque value, the second torque value being higher than the first torque value.

IPC 8 full level  
**A61B 17/70** (2006.01); **A61B 17/68** (2006.01); **A61B 17/88** (2006.01); **A61B 34/20** (2016.01); **A61B 90/00** (2016.01); **B25B 17/02** (2006.01); **B25B 23/00** (2006.01)

CPC (source: CN EP US)  
**A61B 17/685** (2013.01 - US); **A61B 17/708** (2013.01 - US); **A61B 17/7082** (2013.01 - EP US); **A61B 17/7091** (2013.01 - EP US); **A61B 17/8875** (2013.01 - EP); **A61B 17/8886** (2013.01 - EP); **A61B 17/8888** (2013.01 - US); **A61B 17/92** (2013.01 - CN); **A61B 90/03** (2016.02 - US); **B25B 23/0078** (2013.01 - EP); **B25B 23/14** (2013.01 - EP); **B25B 23/1415** (2013.01 - EP); **A61B 17/685** (2013.01 - EP); **A61B 17/7077** (2013.01 - EP); **A61B 17/708** (2013.01 - EP); **A61B 34/30** (2016.02 - EP); **A61B 2017/00119** (2013.01 - EP US); **A61B 2090/031** (2016.02 - EP US); **A61B 2090/037** (2016.02 - EP); **A61B 2090/064** (2016.02 - EP)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
**WO 2020194227 A1 20201001**; BR 112021019026 A2 20211130; CN 113795211 A 20211214; EP 3946102 A1 20220209; JP 2022527160 A 20220531; US 2022125489 A1 20220428

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